

Message

---

**From:** Mary Ellen Tuccillo [maryellen.tuccillo@cadmusgroup.com]  
**Sent:** 3/21/2019 4:58:56 PM  
**To:** Robinson, Valois [Robinson.Valois@epa.gov]  
**Subject:** RE: [EXT] RE: WA 96 Task 1.2 Draft CSM criteria

That sounds fine. Talk to you in a few minutes.

I'm working remotely. If Skype calling fails for any reason, then my cell is Ex. 6 Personal Privacy (PP)

---

**From:** Robinson, Valois <Robinson.Valois@epa.gov>  
**Sent:** Thursday, March 21, 2019 12:41 PM  
**To:** Mary Ellen Tuccillo <maryellen.tuccillo@cadmusgroup.com>  
**Subject:** RE: [EXT] RE: WA 96 Task 1.2 Draft CSM criteria

Thanks for the heads-up. How about I call you at 1:00?

*Valois*

---

Valois Shea  
U.S. EPA Region 8  
MailCode: 8WP-SUI  
1595 Wynkoop Street  
Denver, CO 80202-1129  
Phone: (303) 312-6276  
Fax: (303) 312-6741  
Email: [shea.valois@epa.gov](mailto:shea.valois@epa.gov)

---

**From:** Mary Ellen Tuccillo <[maryellen.tuccillo@cadmusgroup.com](mailto:maryellen.tuccillo@cadmusgroup.com)>  
**Sent:** Thursday, March 21, 2019 10:17 AM  
**To:** Robinson, Valois <[Robinson.Valois@epa.gov](mailto:Robinson.Valois@epa.gov)>  
**Subject:** RE: [EXT] RE: WA 96 Task 1.2 Draft CSM criteria

Hi Valois,

I'll look forward to talking to you. FYI, I'll be out of the office after 2 pm EST.

Mary Ellen

**Mary Ellen Tuccillo, Ph.D.** | Senior Scientist  
The Cadmus Group LLC  
100 5th Ave., Suite 100 | Waltham, MA 02451  
Office: 617-673-7161  
[www.cadmusgroup.com](http://www.cadmusgroup.com)  
*Water is the driving force of all nature. Leonardo da Vinci*

---

**From:** Robinson, Valois <[Robinson.Valois@epa.gov](mailto:Robinson.Valois@epa.gov)>  
**Sent:** Thursday, March 21, 2019 12:02 PM

**To:** Mary Ellen Tuccillo <[maryellen.tuccillo@cadmusgroup.com](mailto:maryellen.tuccillo@cadmusgroup.com)>

**Subject:** [EXT] RE: WA 96 Task 1.2 Draft CSM criteria

Thanks, Mary Ellen!

I am been out of the office this week. Thanks also for your voicemail message. I will give you a call later today.

*Valois*

---

Valois Shea  
U.S. EPA Region 8  
MailCode: 8WP-SUI  
1595 Wynkoop Street  
Denver, CO 80202-1129  
Phone: (303) 312-6276  
Fax: (303) 312-6741  
Email: [shea.valois@epa.gov](mailto:shea.valois@epa.gov)

---

**From:** Mary Ellen Tuccillo <[maryellen.tuccillo@cadmusgroup.com](mailto:maryellen.tuccillo@cadmusgroup.com)>

**Sent:** Wednesday, March 20, 2019 6:07 PM

**To:** Suchomel, Bruce <[Suchomel.Bruce@epa.gov](mailto:Suchomel.Bruce@epa.gov)>; Robinson, Valois <[Robinson.Valois@epa.gov](mailto:Robinson.Valois@epa.gov)>

**Cc:** [Shari.Ring@cadmusgroup.com](mailto:Shari.Ring@cadmusgroup.com)

**Subject:** WA 96 Task 1.2 Draft CSM criteria

Hello Bruce and Valois,

Please find attached a first draft of the conceptual site model criteria for Task 1.2. Our focus for this first draft was considerations for developing a robust CSM representing all the necessary compartments and processes. We emphasize strongly the need for site representativeness at Dewey Burdock and the importance of heterogeneities in governing fate and transport.

The criteria for the first two categories (geologic and hydrogeologic aspects) are similar to how we approach other UIC site characterization guidance. The third section on geochemical characterization and processes is somewhat more detailed. Discussion of background and justification of criteria are reserved for the support document.

At the end of the draft is an example table for geologic data that can serve as a guide for ensuring that site-specific data are accounted for; we could develop similar tables for other two criteria categories if this is something that you'd like to include.

We look forward to talking through the document with you so that we can get your thoughts on how specific and prescriptive you would like the criteria to be (e.g., if you would like to suggest specific values for certain criteria or locations for further data collection). The overall framework of this draft can accommodate the addition of more specific criteria and data source recommendations if a more detailed document is needed.

We're also working on developing maps that show locations of existing wells/data points that could be helpful for identifying gaps in existing data, where additional samples might be needed, and whether the preoperational data and monitoring plans will fill those. When we talk to you, we could discuss how this might be of use.

Let me know if you have questions. I will also give you a call to check on the status of the documents relevant to Task 2 so that we can plan ahead for beginning that work.

Mary Ellen

**Mary Ellen Tuccillo, Ph.D.** | Senior Scientist

The Cadmus Group LLC

100 5th Ave., Suite 100 | Waltham, MA 02451

Office: 617-673-7161

[www.cadmusgroup.com](http://www.cadmusgroup.com)

*Water is the driving force of all nature. Leonardo da Vinci*



Follow us on social media:



*This email message and its contents are for the sole use of the intended recipient or recipients and may contain confidential and privileged information. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply email and destroy all copies of the original message.*

CAUTION: This email originated from outside the company. Do not click links or open attachments unless you recognize the sender and know the content is safe.